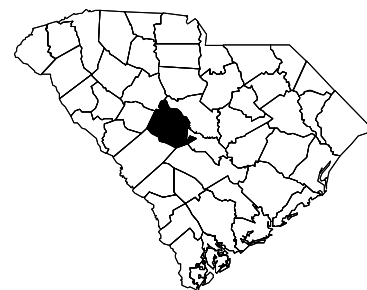


# IMPACT OF CHRONIC CONDITIONS LEXINGTON County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Lexington county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Lexington county's population is similar to the state population. The majority (40%) of the population in Lexington county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Lexington county has a lower minority population (15%) than the state (32%). When adults in Lexington county were asked about their general health status, 87.5% reported having excellent, very good, or good health in 2002 (SC was 83%).

	LEXINGTON COUNTY	STATE
<b>Population size</b>	222,897	4,107,183
<b>Age distribution (%)</b>		
<18	24	24
18-44	40	40
45-64	26	24
65-84	9	11
85+	1	1
<b>Race (%)</b>		
White	85	68
Black & Other	15	32
<b>Sex (%)</b>		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Lexington county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	29	27
Sedentary lifestyle	45	42
Overweight	58	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	23.2	.	.	.	.	28.4
Number of hospitalizations	153	63	90	55	98	5,173
Standard rate of hospitalizations (per 100,000)	71	246	48	55	84	125
Median age of hospitalized patients	63	53	68	63	68	63
Total cost of hospitalization (\$)	2,039,300	767,400	1,271,900	929,100	1,110,200	79,350,400
Average length of hospital stay (days)	4	4	4	5	4	5
Number of ED visits	194	75	119	87	107	7,306
Standard rate of ED visits (per 100,000)	88	275	62	84	90	175
Median age of ED patients	53	48	53	48	53	53
Total cost of ED visits (\$)	262,900	109,300	153,600	97,100	165,800	5,902,800
Number of deaths*	13	3	10	3	10	366
Standard death rate (per 100,000)*	7	16	6	3	9	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.04	.	.	.	.	5.13
Number of hospitalizations	1,918	160	1,758	1,146	772	30,831
Standard rate of hospitalizations (per 100,000)	883	769	893	1,167	650	734
Median age of hospitalized patients	68	63	68	63	73	68
Total cost of hospitalization (\$)	61,736,200	4,159,600	57,576,600	37,787,200	23,949,000	969,122,700
Average length of hospital stay (days)	5	4	5	4	5	5
Number of ED visits	104	7	97	65	39	2,754
Standard rate of ED visits (per 100,000)	48	27	50	64	33	66
Median age of ED patients	63	58	63	58	68	63
Total cost of ED visits (\$)	558,600	36,200	522,400	391,000	167,600	10,617,900
Number of deaths*	427	40	383	222	205	9,723
Standard death rate (per 100,000)*	223	243	221	296	176	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.04	.	.	.	.	2.38
Number of hospitalizations	592	89	503	279	313	14,317
Standard rate of hospitalizations (per 100,000)	298	508	278	334	273	351
Median age of hospitalized patients	73	68	73	73	73	73
Total cost of hospitalization (\$)	11,056,400	2,110,900	8,945,500	5,303,400	5,753,000	279,819,700
Average length of hospital stay (days)	5	8	5	5	6	6
Number of ED visits	92	15	77	42	50	2,732
Standard rate of ED visits (per 100,000)	46	79	42	47	43	67
Median age of ED patients	68	63	73	68	73	73
Total cost of ED visits (\$)	240,200	45,100	195,100	110,900	129,300	6,322,600
Number of deaths*	125	17	108	51	74	2,816
Standard death rate (per 100,000)*	67	118	63	75	64	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	512	75	437	212	300	14,524
Standard rate of hospitalizations (per 100,000)	241	339	229	224	258	351
Median age of hospitalized patients	60	33	63	58	63	58
Total cost of hospitalization (\$)	8,467,600	1,319,100	7,148,500	3,249,200	5,218,400	198,700,700
Average length of hospital stay (days)	5	4	5	4	6	5
Number of ED visits	1,525	432	1,093	598	927	37,517
Standard rate of ED visits (per 100,000)	689	1,320	576	566	803	914
Median age of ED patients	33	23	38	28	33	33
Total cost of ED visits (\$)	2,187,100	559,200	1,627,900	930,700	1,250,400	30,607,600
Number of deaths*	96	4	92	54	42	1,891
Standard death rate (per 100,000)*	51	27	53	76	36	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.81	.	.	.	.	8.33
Number of hospitalizations	332	82	250	180	152	8,652
Standard rate of hospitalizations (per 100,000)	150	322	130	170	130	207
Median age of hospitalized patients	53	53	53	53	58	53
Total cost of hospitalization (\$)	5,540,900	1,107,400	4,433,500	3,130,200	2,410,700	127,167,500
Average length of hospital stay (days)	6	6	6	7	6	6
Number of ED visits	371	142	229	162	209	9,316
Standard rate of ED visits (per 100,000)	169	583	119	155	178	224
Median age of ED patients	53	53	53	48	58	53
Total cost of ED visits (\$)	456,400	175,200	281,200	178,100	278,300	8,261,100
Number of deaths*	34	4	30	12	18	1,114
Standard death rate (per 100,000)*	17	28	17	17	17	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,188	211	977	393	795	24,644
Standard rate of hospitalizations (per 100,000)	537	854	495	407	663	591
Median age of hospitalized patients	58	48	58	63	53	58
Total cost of hospitalization (\$)	29,561,200	4,948,400	24,567,800	11,168,600	18,392,600	605,119,300
Average length of hospital stay (days)	6	6	6	7	6	6
Number of deaths*	370	33	335	208	162	8,320
Standard death rate (per 100,000)*	183	219	182	256	138	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	97	16	81	46	51	2,113
Standard rate of hospitalizations (per 100,000)	46	87	42	48	44	51
Median age of hospitalized patients	68	68	68	68	68	68
Total cost of hospitalization (\$)	3,122,700	488,500	2,634,200	1,540,200	1,582,500	80,248,200
Average length of hospital stay (days)	9	9	9	8	9	10
Number of deaths*	41	4	37	22	19	807
Standard death rate (per 100,000)*	21	27	21	27	17	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	94	8	86	.	94	1,465
Standard rate of hospitalizations (per 100,000)	42	34	43	.	78	35
Median age of hospitalized patients	58	48	58	.	58	63
Total cost of hospitalization (\$)	1,581,400	126,800	1,454,600	.	1,581,400	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	29	2	27	-	29	630
Standard death rate (per 100,000)*	14	11	15	-	25	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	4	6	.	10	222
Standard rate of hospitalizations (per 100,000)	4	14	3	.	8	5
Median age of hospitalized patients	48	48	43	.	48	48
Total cost of hospitalization (\$)	221,600	19,800	201,800	.	221,600	3,668,300
Average length of hospital stay (days)	6	2	8	.	2	4
Number of deaths*	1	1	-	2	1	26
Standard death rate (per 100,000)*	4	1	-	2	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	87	9	78	40	47	2,154
Standard rate of hospitalizations (per 100,000)	40	51	39	42	39	51
Median age of hospitalized patients	63	68	63	68	63	68
Total cost of hospitalization (\$)	2,740,100	186,200	2,553,900	1,103,400	1,636,700	70,474,400
Average length of hospital stay (days)	9	9	9	8	10	9
Number of deaths*	114	13	101	68	46	2,481
Standard death rate (per 100,000)*	56	91	54	84	39	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	33	6	27	33	.	1,353
Standard rate of hospitalizations (per 100,000)	15	35	14	34	.	32
Median age of hospitalized patients	68	65	68	68	.	68
Total cost of hospitalization (\$)	670,700	109,700	561,000	670,700	.	24,726,200
Average length of hospital stay (days)	3	3	4	3	.	4
Number of deaths*	21	2	19	21	-	478
Standard death rate (per 100,000)*	11	13	11	34	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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